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**Certificate**  
**MAR 17 2006**  
**of Correction** PATENT  
Docket No. 15436.123.2.1

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Gilles P. Denoyer, Daniel Case

Serial No.: 10/733,681

Filed: December 11, 2003

For: WIDE DYNAMIC RANGE TRANSIMPEDANCE  
AMPLIFIER WITH A CONTROLLED LOW  
FREQUENCY CUTOFF AT HIGH OPTICAL  
POWER.

Examiner: Patricia Nguyen

Patent No.: 6,778,021 B2

Issue Date: August 11, 2004

### REQUEST FOR A CERTIFICATE OF CORRECTION UNDER 37 C.F.R. § 1.323

Attn: Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. § 1.323 which implement 35 U.S.C. § 255, the Commissioner is respectfully requested to issue a Certificate of Correction to correct mistakes in the above-identified patent. The enclosed Patent

03/14/2006 SDENBOB1 00000020 6778021

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\* Admitted only in California  
§ Admitted only in Virginia

**MAR 17 2006**

Office Form 1050 reflects the desired corrections. Also enclosed please find a check in the amount of \$100.00 to cover the costs for issuance of this certificate.

The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 23-3178. Duplicate copies of this letter are enclosed.

Dated this 8 day of March, 2006.

Respectfully submitted,



Eric L. Maschoff  
Attorney for Patentee  
Registration No. 36,596  
Customer No. 022913

ELM:jjb  
Docket: 15436.123.2.1  
PR0000001390V001

CERTIFICATE OF DEPOSIT UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 10<sup>th</sup> day of March, 2006.



Transmitted: REQUEST FOR A CERTIFICATE OF CORRECTION UNDER 37 C.F.R. § 1.323,  
PTO Form 1050 and Check No. 146256 for \$100.00

MAR 17 2006

# UNITED STATES PATENT AND TRADEMARK OFFICE

## CERTIFICATE OF CORRECTION

PATENT NO. : 6,778,021 B2

DATED : August 17, 2004

INVENTOR(S) : Gilles P. Denoyer, Daniel Case

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**Column 2**

Line 52, before "by the average" change "loops" to --loop--

Line 65, after "used" remove [for]

**Column 4**

Line 34, before "cancellation" change "DC/AGC" to --DC/AC--

Line 62, after "digital signal" remove [114] (OURS not labeled in Figs.)

**Column 5**

Line 5, before "forward" change "an" to --a--

Line 13, after "thereof." remove [341]

Line 13, before "The feedback" begin a new paragraph.

Line 44, before "This" remove [In]

**Column 6**

Line 10, before "the emitter" remove [the output of]

Line 45, change "FIG. 3 and the collector" to --FIG. 3, the collector--

Line 46, change "photodiode, the" to --photodiode, and the--

Line 47, after "base" change "o" to --of--

**Column 7**

Line 65, before "and the feedback" remove [where]

**Column 10**

Line 52, change " $f_{HPF-3dB} = R_f \cdot A_1 g_{m2} \cdot B \cdot f_o$ " to  $-f_{HPF-3dB} = R_f \cdot A_1 \cdot g_{m2} \cdot B \cdot f_o -$

Line 57, change " $f_{HPF-3dB} = R_C \cdot A_1 g_{m1} \cdot B \cdot f_o$ " to  $-f_{HPF-3dB} = R_C \cdot A_1 \cdot g_{m1} \cdot B \cdot f_o -$

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**Column 12**

Lines 5 to 13, change all text and equations starting on line 5 with " $I_2 = I_{PD} + I_{RF1}$  and" and

ending on line 13 with " $I_{RF5} = I_{RF1} = I_3$  (27)" to  $-I_3 = \frac{I_2}{N}$  (24)--

Line 50, change " $g_{m1} = \frac{I_{Q1}}{V_T} = \left[ \frac{V_{CC} - 2V_{BE}}{R_C} \cdot \left( \frac{1}{R_C} \right) \right] - \left[ \left( \frac{R_F}{R_C} \right) \cdot \left( \frac{I_{PD}}{(N-1)} \right) \cdot \left( \frac{1}{V_T} \right) \right]$ " to

$$-g_{m1} = \frac{I_{Q1}}{V_T} = \left[ \frac{V_{CC} - 2V_{BE}}{V_T} \cdot \left( \frac{1}{R_C} \right) \right] - \left[ \left( \frac{R_F}{R_C} \right) \cdot \left( \frac{I_{PD}}{(N-1)} \right) \cdot \left( \frac{1}{V_T} \right) \right] -$$

**Column 14**

Line 47, after "first circuit" remove [that]

**Column 15**

Line 39, before "a first emitter size;" change "have" to --having--

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Line 50, change " $g_{m1} = \frac{I_{Q1}}{V_T} = \left[ \frac{V_{CC} - 2V_{BE}}{R_C} \cdot \left( \frac{1}{R_C} \right) \right] - \left[ \left( \frac{R_F}{R_C} \right) \cdot \left( \frac{I_{PD}}{(N-1)} \right) \cdot \left( \frac{1}{V_T} \right) \right]$ " to

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